

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>B01J 23/00, C01B 3/40</b>		<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/38832</b>
			<b>(43) International Publication Date:</b> 6 July 2000 (06.07.00)
<b>(21) International Application Number:</b> PCT/NO99/00403			<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
<b>(22) International Filing Date:</b> 22 December 1999 (22.12.99)			
<b>(30) Priority Data:</b> 19986116 23 December 1998 (23.12.98) NO			
<b>(71) Applicant (for all designated States except US):</b> DEN NORSKE STATS OLJESELSKAP A.S [NO/NO]; N-4035 Stavanger (NO).			
<b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> OLSBYE, Unni [NO/NO]; Agronomveien 7B, N-1187 Oslo (NO). AKPORIAYE, Duncan [GB/NO]; Kristine Bonnevie v. 15, N-0592 Oslo (NO). RYTTER, Erling [NO/NO]; Steinåsen 19, N-7049 Trondheim (NO). RØNNEKLEIV, Morten [NO/NO]; Tingveien 23D, N-7046 Trondheim (NO).			
<b>(74) Agent:</b> DAWES, Dag; Bryn & Aarflot AS, P.O. Box 449 Sentrum, N-0104 Oslo (NO).			<b>Published</b> With international search report.
<b>(54) Title:</b> CATALYSTS CONSISTING OF METALS ON HYDROTALCITE-BASED CARRIER MATERIALS, AND METHOD FOR THE PREPARATION THEREOF			
<b>(57) Abstract</b> <p>The present invention relates to a catalyst comprising at least one metal loaded on a hydrotalcite-based carrier material which has the following formula in its uncalcined form: <math>M^{2+}_a M^{3+}_b (A^{n-})_n (OH)_{2a+3b-n} \cdot xH_2O</math>, wherein <math>M^{2+}</math> is at least one divalent metal; and <math>M^{3+}</math> is at least one trivalent metal; A is an n-valent anion, n is 1 or 2 and a and b are positive numbers, <math>a &gt; b</math>. When said at least one metal is selected from the group VIII of the periodical system of the elements a useful (de)hydrogenation catalyst is achieved.</p>			